



## RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: 10/069,540  
Source: PCT10  
Date Processed by STIC: 3/11/02

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1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>>, EFS Submission User Manual - ePAVE)
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Revised 01/29/2002



**Does Not Comply**  
**Corrected Diskette Needed**

PCT10

**RAW SEQUENCE LISTING**

PATENT APPLICATION: US/10/069,540

DATE: 03/11/2002  
TIME: 10:54:45*Error on p. 4*

Input Set : A:\EP.txt

Output Set: N:\CRF3\03112002\J069540.raw

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3 <110> APPLICANT: Prendergast, George C.
4   Kai, Ge
6 <120> TITLE OF INVENTION: Bridging Integrator-2 (BIN2) Nucleic Acid Molecules and
Proteins and Uses
7   Therefor
9 <130> FILE REFERENCE: WST89AUSA
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/069,540
C--> 11 <141> CURRENT FILING DATE: 2002-02-25
11 <150> PRIOR APPLICATION NUMBER: US 60/151,554
12 <151> PRIOR FILING DATE: 1999-08-31
14 <160> NUMBER OF SEQ ID NOS: 4
16 <170> SOFTWARE: PatentIn version 3.1
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19 <211> LENGTH: 2196
20 <212> TYPE: DNA
21 <213> ORGANISM: Homo sapiens
23 <220> FEATURE:
24 <221> NAME/KEY: CDS
25 <222> LOCATION: (28)..(1719)
26 <223> OTHER INFORMATION:
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30 <221> NAME/KEY: misc_feature
31 <222> LOCATION: (2032)..(2032)
32 <223> OTHER INFORMATION: can be a or c or g or t
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37                               Met Ala Glu Gly Lys Ala Gly Gly Ala
38                               1           5
40 gcc ggc ctc ttc gcc aag cag gtg cag aag aag ttt agc agg gcc cag      102
41 Ala Gly Leu Phe Ala Lys Gln Val Gln Lys Lys Phe Ser Arg Ala Gln
42 10           15           20           25
44 gag aag gtg ctg cag aaa ttg ggg aaa gct gta gaa acc aaa gat gaa      150
45 Glu Lys Val Leu Gln Lys Leu Gly Lys Ala Val Glu Thr Lys Asp Glu
46           30           35           40
48 cga ttt gaa caa agc gct agc aac ttc tac caa caa cag gca gaa ggc      198
49 Arg Phe Glu Gln Ser Ala Ser Asn Phe Tyr Gln Gln Gln Ala Glu Gly
50           45           50           55
52 cac aag ctg tac aag gac ctg aag aac ttc ctt agt gca gtc aaa gtg      246
53 His Lys Leu Tyr Lys Asp Leu Lys Asn Phe Leu Ser Ala Val Lys Val
54           60           65           70
56 atg cat gaa agt tca aaa aga gtg tca gaa acc ctg cag gag atc tac      294
57 Met His Glu Ser Ser Lys Arg Val Ser Glu Thr Leu Gln Glu Ile Tyr
58           75           80           85
60 agc agc gag tgg gac ggt cat gag gag ctg aag gcc atc gta tgg aat      342

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## RAW SEQUENCE LISTING

DATE: 03/11/2002

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TIME: 10:54:45

Input Set : A:\EP.txt

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62 90 95 100 105
64 aat gat ctc ctt tgg gaa gac tac gag gag aaa ctg gct gac cag gct 390
65 Asn Asp Leu Leu Trp Glu Asp Tyr Glu Glu Lys Leu Ala Asp Gln Ala
66 110 115 120
68 gta agg acc atg gaa atc tat gtt gcc cag ttc agt gaa att aag gag 438
69 Val Arg Thr Met Glu Ile Tyr Val Ala Gln Phe Ser Glu Ile Lys Glu
70 125 130 135
72 aga att gcc aag cgg ggt cgg aaa ctc gtg gac tat gac agt gcc cga 486
73 Arg Ile Ala Lys Arg Gly Arg Lys Leu Val Asp Tyr Asp Ser Ala Arg
74 140 145 150
76 cac cac ctg gag gca gtg cag aat gcc aag aaa gat gag gcc aag act 534
77 His His Leu Glu Ala Val Gln Asn Ala Lys Lys Asp Glu Ala Lys Thr
78 155 160 165
80 gcc aag gca gag gaa gag ttc aac aaa gcc cag act gtg ttt gaa gat 582
81 Ala Lys Ala Glu Glu Phe Asn Lys Ala Gln Thr Val Phe Glu Asp
82 170 175 180 185
84 ctg aac caa gaa cta cta gag gag ctg cct att ctt tat aat agt cgt 630
85 Leu Asn Gln Glu Leu Leu Glu Glu Leu Pro Ile Leu Tyr Asn Ser Arg
86 190 195 200
88 att ggc tgc tat gtg acc atc ttc caa aac att tcc aac ttg agg gat 678
89 Ile Gly Cys Tyr Val Thr Ile Phe Gln Asn Ile Ser Asn Leu Arg Asp
90 205 210 215
92 gtc ttc tac agg gaa atg agc aag ctg aac cac aat ctc tac gag gtg 726
93 Val Phe Tyr Arg Glu Met Ser Lys Leu Asn His Asn Leu Tyr Glu Val
94 220 225 230
96 atg agc aaa ctg gag aag caa cat tcc aat aaa gtc ttt gtg gtg aag 774
97 Met Ser Lys Leu Glu Lys Gln His Ser Asn Lys Val Phe Val Val Lys
98 235 240 245
100 gga ctg tca agc agc agc agg cgc tct tta gtc att tct ccc cca gtt 822
101 Gly Leu Ser Ser Ser Ser Arg Arg Ser Leu Val Ile Ser Pro Pro Val
102 250 255 260 265
104 cga aca gct aca gtc tcc agt cct ctt acc tca cct act agt ccc tct 870
105 Arg Thr Ala Thr Val Ser Ser Pro Leu Thr Ser Pro Thr Ser Pro Ser
106 270 275 280
108 aca ctt tcc ttg aag agt gag agt gaa tct gtc tca gca act gaa gat 918
109 Thr Leu Ser Leu Lys Ser Glu Ser Glu Ser Val Ser Ala Thr Glu Asp
110 285 290 295
112 ctg gca cct gat gca gcc caa ggg gaa gac aat tct gag atc aag gag 966
113 Leu Ala Pro Asp Ala Ala Gln Gly Glu Asp Asn Ser Glu Ile Lys Glu
114 300 305 310
116 ctc tta gaa gag gag gaa ata gag aag gaa gga tct gaa gca agc tcc 1014
117 Leu Leu Glu Glu Glu Glu Ile Glu Lys Glu Gly Ser Glu Ala Ser Ser
118 315 320 325
120 tct gag gaa gat gac cct cta cca gcc tgc aat ggc ccc gcc cag gcc 1062
121 Ser Glu Glu Asp Asp Pro Leu Pro Ala Cys Asn Gly Pro Ala Gln Ala
122 330 335 340 345
124 cag ccc tct cct acc act gag agg gcc aag tcc cag gag gaa gtt ctc 1110
125 Gln Pro Ser Pro Thr Thr Glu Arg Ala Lys Ser Gln Glu Glu Val Leu

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128 ccc agc tcc aca act cca tca cca ggc gga gcc ctg agc cct tca ggg      1158
129 Pro Ser Ser Thr Thr Pro Ser Pro Gly Gly Ala Leu Ser Pro Ser Gly
130                               365                               370                               375
132 cag cct tca tca tct gcc aca gaa gta gtc ctc cga acc cgc acc gca      1206
133 Gln Pro Ser Ser Ser Ala Thr Glu Val Val Leu Arg Thr Arg Thr Ala
134                               380                               385                               390
136 agt gaa gga tct gaa caa cca aag aag aga gcc tct atc cag agg acc      1254
137 Ser Glu Gly Ser Glu Gln Pro Lys Lys Arg Ala Ser Ile Gln Arg Thr
138                               395                               400                               405
140 tca gca ccc cct agt agg cct cct cca ccc aga gcc act gca agc ccc      1302
141 Ser Ala Pro Pro Ser Arg Pro Pro Pro Pro Arg Ala Thr Ala Ser Pro
142 410                               415                               420                               425
144 agg ccc tcc tca ggg aac ata cct tcc agc cct aca gcc tct gga ggg      1350
145 Arg Pro Ser Ser Gly Asn Ile Pro Ser Ser Pro Thr Ala Ser Gly Gly
146                               430                               435                               440
148 ggt tca ccc acc agc cct agg gcc tcc ttg ggg act ggg act gca agt      1398
149 Gly Ser Pro Thr Ser Pro Arg Ala Ser Leu Gly Thr Gly Thr Ala Ser
150                               445                               450                               455
152 cct agg acc tcc cta gag gtc tct cct aat cca gaa cca cca gag aag      1446
153 Pro Arg Thr Ser Leu Glu Val Ser Pro Asn Pro Glu Pro Pro Glu Lys
154                               460                               465                               470
156 cca gta aga act cct gag gcc aaa gaa aat gaa aac atc cac aat cag      1494
157 Pro Val Arg Thr Pro Glu Ala Lys Glu Asn Glu Asn Ile His Asn Gln
158                               475                               480                               485
160 aac cct gaa gaa ctt tgt act tcc ccc acc tta atg aca tct cag gtt      1542
161 Asn Pro Glu Glu Leu Cys Thr Ser Pro Thr Leu Met Thr Ser Gln Val
162 490                               495                               500                               505
164 gct tca gag cct gga gag gca aag aag atg gaa gac aag gaa aag gat      1590
165 Ala Ser Glu Pro Gly Glu Ala Lys Lys Met Glu Asp Lys Glu Lys Asp
166                               510                               515                               520
168 aat aag ctt atc tca gct gac tcc tcg gag ggc caa gac cag ctt caa      1638
169 Asn Lys Leu Ile Ser Ala Asp Ser Ser Glu Gly Gln Asp Gln Leu Gln
170                               525                               530                               535
172 gtc tcc atg gta cca gaa aac aac aac ctc aca gca cct gaa cct caa      1686
173 Val Ser Met Val Pro Glu Asn Asn Asn Leu Thr Ala Pro Glu Pro Gln
174                               540                               545                               550
176 gaa gag gta tcc aca agt gaa aat cca caa ctc tgaagagaaa ctaccaagac      1739
177 Glu Glu Val Ser Thr Ser Glu Asn Pro Gln Leu
178                               555                               560
180 tcctcctgcc ccaaacctcg ccagagaagc tcttcaacca gagggtatag gtcagagggg      1799
182 tataagagcc agcatccatc cctgggttct cagtaggaat gctggtgctg tctaaagacc      1859
184 tggcattaat ggaggcggag gagcagcctt acgggagggg tggaggaggg caggctgggg      1919
186 agaagagaac attagactca gggaatat ttattctggtt ttagcattat tagaataaga      1979
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190 acagacactt gcctatacag agacataaacc acacacactc agaggatagt gaacaaatct      2099
192 gtcttttgact tacgacccat tttgcaagac tttaaagccga aagaacacat tttcagattg      2159
194 ttaaataaag tctgattctg actaaaaaaaa aaaaaaa      2196
197 <210> SEQ ID NO: 2

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/069,540

DATE: 03/11/2002

TIME: 10:54:45

Input Set : A:\EP.txt

Output Set: N:\CRF3\03112002\J069540.raw

198 &lt;211&gt; LENGTH: 564

199 &lt;212&gt; TYPE: PRT

200 &lt;213&gt; ORGANISM: Homo sapiens

202 &lt;220&gt; FEATURE:

203 &lt;221&gt; NAME/KEY: misc\_feature

204 &lt;222&gt; LOCATION: (2032)..(2032)

205 &lt;223&gt; OTHER INFORMATION: can be a or c or g or t

207 &lt;400&gt; SEQUENCE: 2

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210 1 5 10 15

213 Val Gln Lys Lys Phe Ser Arg Ala Gln Glu Lys Val Leu Gln Lys Leu

214 20 25 30

217 Gly Lys Ala Val Glu Thr Lys Asp Glu Arg Phe Glu Gln Ser Ala Ser

218 35 40 45

221 Asn Phe Tyr Gln Gln Gln Ala Glu Gly His Lys Leu Tyr Lys Asp Leu

222 50 55 60

225 Lys Asn Phe Leu Ser Ala Val Lys Val Met His Glu Ser Ser Lys Arg

226 65 70 75 80

229 Val Ser Glu Thr Leu Gln Glu Ile Tyr Ser Ser Glu Trp Asp Gly His

230 85 90 95

233 Glu Glu Leu Lys Ala Ile Val Trp Asn Asn Asp Leu Leu Trp Glu Asp

234 100 105 110

237 Tyr Glu Glu Lys Leu Ala Asp Gln Ala Val Arg Thr Met Glu Ile Tyr

238 115 120 125

241 Val Ala Gln Phe Ser Glu Ile Lys Glu Arg Ile Ala Lys Arg Gly Arg

242 130 135 140

245 Lys Leu Val Asp Tyr Asp Ser Ala Arg His His Leu Glu Ala Val Gln

246 145 150 155 160

249 Asn Ala Lys Lys Asp Glu Ala Lys Thr Ala Lys Ala Glu Glu Glu Phe

250 165 170 175

253 Asn Lys Ala Gln Thr Val Phe Glu Asp Leu Asn Gln Glu Leu Leu Glu

254 180 185 190

257 Glu Leu Pro Ile Leu Tyr Asn Ser Arg Ile Gly Cys Tyr Val Thr Ile

258 195 200 205

261 Phe Gln Asn Ile Ser Asn Leu Arg Asp Val Phe Tyr Arg Glu Met Ser

262 210 215 220

265 Lys Leu Asn His Asn Leu Tyr Glu Val Met Ser Lys Leu Glu Lys Gln

266 225 230 235 240

269 His Ser Asn Lys Val Phe Val Val Lys Gly Leu Ser Ser Ser Ser Arg

270 245 250 255

273 Arg Ser Leu Val Ile Ser Pro Pro Val Arg Thr Ala Thr Val Ser Ser

274 260 265 270

277 Pro Leu Thr Ser Pro Thr Ser Pro Ser Thr Leu Ser Leu Lys Ser Glu

278 275 280 285

281 Ser Glu Ser Val Ser Ala Thr Glu Asp Leu Ala Pro Asp Ala Ala Gln

282 290 295 300

285 Gly Glu Asp Asn Ser Glu Ile Lys Glu Leu Leu Glu Glu Glu Ile

286 305 310 315 320

289 Glu Lys Glu Gly Ser Glu Ala Ser Ser Ser Glu Glu Asp Asp Pro Leu

→ no "n" or position 2032  
in this sequence!

## RAW SEQUENCE LISTING

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TIME: 10:54:45

Input Set : A:\EP.txt

Output Set: N:\CRF3\03112002\J069540.raw

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290          325          330          335
293 Pro Ala Cys Asn Gly Pro Ala Gln Ala Gln Pro Ser Pro Thr Thr Glu
294          340          345          350
297 Arg Ala Lys Ser Gln Glu Glu Val Leu Pro Ser Ser Thr Thr Pro Ser
298          355          360          365
301 Pro Gly Gly Ala Leu Ser Pro Ser Gly Gln Pro Ser Ser Ser Ala Thr
302          370          375          380
305 Glu Val Val Leu Arg Thr Arg Thr Ala Ser Glu Gly Ser Glu Gln Pro
306 385          390          395          400
309 Lys Lys Arg Ala Ser Ile Gln Arg Thr Ser Ala Pro Pro Ser Arg Pro
310          405          410          415
313 Pro Pro Pro Arg Ala Thr Ala Ser Pro Arg Pro Ser Ser Gly Asn Ile
314          420          425          430
317 Pro Ser Ser Pro Thr Ala Ser Gly Gly Gly Ser Pro Thr Ser Pro Arg
318          435          440          445
321 Ala Ser Leu Gly Thr Gly Thr Ala Ser Pro Arg Thr Ser Leu Glu Val
322          450          455          460
325 Ser Pro Asn Pro Glu Pro Pro Glu Lys Pro Val Arg Thr Pro Glu Ala
326 465          470          475          480
329 Lys Glu Asn Glu Asn Ile His Asn Gln Asn Pro Glu Glu Leu Cys Thr
330          485          490          495
333 Ser Pro Thr Leu Met Thr Ser Gln Val Ala Ser Glu Pro Gly Glu Ala
334          500          505          510
337 Lys Lys Met Glu Asp Lys Glu Lys Asp Asn Lys Leu Ile Ser Ala Asp
338          515          520          525
341 Ser Ser Glu Gly Gln Asp Gln Leu Gln Val Ser Met Val Pro Glu Asn
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354 <211> LENGTH: 252
355 <212> TYPE: PRT
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369          35          40          45
372 Gln Asn Phe Asn Lys Gln Leu Thr Glu Gly Thr Arg Leu Gln Lys Asp
373          50          55          60
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384 Arg Asp Glu Ala Asn Lys Ile Ala Glu Asn Asn Asp Leu Leu Trp Met
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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/069,540

DATE: 03/11/2002

TIME: 10:54:46

Input Set : A:\EP.txt

Output Set: N:\CRF3\03112002\J069540.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1